

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003164

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N7/04 A61K39/00 A61K39/39 C12N15/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/16320 A (LUDWIG INST CANCER RES) 8 March 2001 (2001-03-08)	1,3-10, 17,18, 44,46, 48-53, 62, 88-95, 97,98
Y	abstract example 3; sequences 6,7 example 6; sequences 11,13,14,16 page 38, line 20 - line 21 ----- -/--	2,11-16, 19-43, 45,47, 54-61, 63-87,96

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

11 August 2004

Date of mailing of the international search report

19/08/2004

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X	US 6 326 200 B1 (ROMERO PEDRO ET AL) 4 December 2001 (2001-12-04)	1,3-10, 17,18, 44,46, 48-53, 62, 88-95, 97,98
Y	abstract column 7, line 56 - line 64; example 3 column 8; table II column 22, line 18 - line 19	2,11-16, 19-43, 45,47, 54-61, 63-87,96
Y	LECHNER F ET AL: "VIRUS-LIKE PARTICLES AS A MODULAR SYSTEM FOR NOVEL VACCINES" INTERVIRIOLOGY, XX, XX, vol. 45, no. 4-6, July 2002 (2002-07), pages 212-217, XP008023830 ISSN: 0300-5526 abstract page 212, right-hand column, line 3 - line 10 page 213, left-hand column, line 1 - line 12 page 214, right-hand column, paragraph 2 page 217, right-hand column	1-98
Y	BROWN W L ET AL: "RNA BACTERIOPHAGE CAPSID-MEDIATED DRUG DELIVERY AND EPITOPE PRESENTATION" INTERVIRIOLOGY, XX, XX, vol. 45, no. 4 - 6, July 2002 (2002-07), pages 371-380, XP009020412 ISSN: 0300-5526 abstract the whole document	1-98
Y	GILBERT ET AL: "A protein particle vaccine containing multiple malaria epitopes" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 15, 1 November 1997 (1997-11-01), pages 1280-1284, XP002096555 ISSN: 1087-0156 the whole document	1-98

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Y	OXENIUS A ET AL: "CpG-containing oligonucleotides are efficient adjuvants for induction of protective antiviral immune responses with T-cell peptide vaccines" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 73, no. 5, May 1999 (1999-05), pages 4120-4126, XP002964289 ISSN: 0022-538X abstract page 4121, left-hand column, line 26 - line 28 page 4125, left-hand column, line 45 - line 53	1-98
Y	US 2003/050268 A1 (BERG DANIEL J ET AL) 13 March 2003 (2003-03-13) the whole document table 1; sequence 950 table 2; sequence 1039 paragraph '0169!	1-98

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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